

STOLANOV, V.; BEDELIAN O.

Weaving in and shrinking of cotton textiles. p. 41

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Vol. 8, no. 7, 1959

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SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L C., VOL. 3, NO. 1, Jan. 1954, Uncl.

STOIANOV, V.
"Balsam resin and pine tree kilnling, turpentine, and colodion" (.27). PERIODA
(Bulgarska Akademiia Na Naukite) Sofiya Vol 2 No 5 Sept/Oct 1953
SO: East European Accessions List Vol 3 No 6 Aug 1954

"Thermal treatment of wood as a basic method in rational utilization of waste from trees in forests and in enterprises of wood-using industries."
Gor'sko Stroyanstvo, Mofiya, Vol 10, No 6, 1954, p. 374

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lit. of Congress.

STOIANDOV, V.

Stolanov, V. Our plants with tanning substances. p.323.

Vol. 11, no. 6, Oct. 1955 ГОРСКО СТОПАНСТВО Sofiya, Bulgaria

SO: Monthly List of East European Accessions, (EAL), LC, Vol. 5, No. 2
February, 1956

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Questions of forestry in the work of the Tarand Faculty Scientific Session at the
Dresden Polytechnic held on June 15 and 16, 1956, p. 102.
(GORSKO STOPANSTVO, Vol. 12, no. 9, Nov. 1956, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EPAL) LC, Vol. 6, no. 12, December 1957 Uncl.

STOLANOV, V.

AGRICULTURE

Periodical: NAUCHNI TRUDOVE. Vol. 5, 1957.

STOLANOV, V. The willow for basketry as a source for producing
tanning materials. p. 175

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1971, 1.

"generalising a highly productive willow forest service."

n. 17 (Gorke Itopustivo, Vol. 14, no. 5, 1962, Sofia, Bulgaria)

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STOIANOV, V.: KOLEV, D.

"Tannins in basket willows in relation to the age of the willow and the season when the bark is removed"

Khimiia i industriia. Sofia, Bulgaria. Vol. 30, no. 3, 1958.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

STOIANOV, Vasil

Beech nut as fodder and oil-bearing raw material. Priroda
Bulg 13 no. 2:93-94 Mz-Ap '64.

1. Corresponding Member of the Bulgarian Academy of
Sciences.

STOIANOV, Volichenko, Inzh.

A method for computing parameters of blasting in the open-pit
mines and quarries. Tekhnika Bulg 13 no.6:17-19 '64.

STOIANOV, V., insh.; SUBCHEV, B., insh.

Bulgarian fast PCH-75 hammer drill. Min delo 16 no.12:5 '61.

1. Zaved 13, Kabanluk.

(Hammer) (Mining machinery)

PASHOV, P., inzh.; STOIANOV, V., inzh.; ATANASOV, B., inzh.

Possibilities of increasing labor productivity through the mechanized transportation of ores in the layer and subdrift systems of mining. Min delo 17 no.9:13-17 S '62.

1. "Niproruda".

PASHOV, P., inzh.; STOIANOV, Ves., inzh.; ATANASOV, B., inzh.; DANOV, Vl.,
inzh.; KHRISTOV, Khr., inzh.

Ways of improving the system of ore layer cavings by flexible
flooring and metallic bracing. Min delo 18 no.7:15-20 J1 '63.

1. "Niproruda" (for Pashov, Stoiانov, And Atanasov). 2. Minno-
geolozhki institut (for Danov). 3. DMP "Gorubso" (for Khristov).

STOLANOV, Ves., inzh.; PASHOV, P., inzh.; ~~ATANASOV~~, B., inzh.; LANAKIEV,
G., kand. na tekhn. nauki inzh.; SUIKOV, B., inzh.

National systems in mining large copper-poor ore deposits
in the Blagitsa Mine, Panagyurski Mini State Mining
Enterprise. Min delo 18 no. 8: 11-16-1963.

1. Niproruda (for Stolanov, Pashov, Atanasov).
2. Minno-geolozhki institut (for Lanakiev).
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PASHOV, P., inzh.; STOLANOV, Ves., inzh.

Making ventilation openings by deep blasting. Min delo 18
no.9:26-30 S '63.

STOIANOV, Vl. Tsv.; MIKHALEVSKI, Rost.

Rheumatic disease (Sokol'skii-Bouillaud disease) in students of the city of Plovdiv. Suvrem.med., Sofia 2 no.1:46-53 '60.

1. Iz Gr. bolnitsa - Plovdiv. Ol. lekar: Nacho Baranov.
(ENDOCARDITIS SUBACUTE BACTERIAL in inf.& child.)

STOIANOV, Z.

Male sterility and its diagnosis. Khirurgia, Sofia 8 no.1:
40-45 1955.

1. I rodilen dom "Tina Kirkova" - Sofia. Glaven lekar: prof.
G. Boladzhiev.

(STERILITY, MALN, diagnosis)

STOIANOV, Z.

Case of morbus haemolyticus neonatorum caused by Rh₀ incompatibility.
Chirurgia, Sofia 8 no.3:244-247 1955.

1. I Rodilen dom Tina Kirkova-Sofia. Glaven lekar: prof. O. Boiadshiev.
(Rh FACTORS,
Rh₀ incompatibility causing fetal erythroblastosis)

STOIANOV, Zaprian

National conference on the preserving and processing of cereals
and bread making. Tekh delo no.493:2 7 J1 '62.

1. Predsedatel na Cektsiata po khranitelna promishlenost pri
Nauchno-tehnicheskia suus.

STOIANOV, Zaprian

National scientific and technical conference on urgent
problems in the canning and preserving industries. Tekh
delo 502 2 7D '63.

SO: 110, 11.

"Grass Vegetation as an Indicator of Forest Location in the Studies of Beech Forests on the Petrokhan Mountain." p.83 (IZVESTIYA, Vol 2, 1991, Toliya.)

SO: Monthly List of ^{East European} ~~Russian~~ Accessions, / Vol 3, No. 3, Library of Congress, March 195⁴9, Uncl.

SOVIANO, ZH.

"Materials for Studying the Variation of Soil Moisture under Different Plants."
p.171 (IZVESTIYA, Vol. 2, 1951, Sofiya.)

SO: Monthly List of East European / Vol. 3 No. 3
Accessions, Library of Congress, March ⁴1953, Uncl.

STOJANOV, M.

"Standardization of the centrifugal fans in Bulgaria."

p. 36 (Rationalizatsia, Vol. 7, no. 11, Oct. 1981, Sofia, Bulgaria.)

Monthly Index of East European Accessions (MEAI) L, Vol. 7, No. 6, June 1981.

EXTRACT, 21.

determining the dimensions of the operative wheel of the centrifugal fan. p. 13

МАШИНА. (Сбор на научни-технически трудове в България) София,
България, изд. 5, No. 5, 1959

Monthly List of East European Accessions (EAS), IC, Vol. 8, no. 12,
December 1959
1961.

ST. 17. 2P.

"The ventilation complex, a big, still unused reserve."

TEZHKA PRO ICHLEKOST, Sofia, Bulgaria, Vol. 8, no. 5, Mar. 1959

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, no. 6, ^{Sept.} Jun 59,
Unclass

STOLANOV, Zhivko, inzh.

Parasitic loss at the centrifugal ventilators. Tekhnika 10 no.9:
20-23 '61.

1. VMKO "Mashproekt".

(Centrifugal force) (Ventilation)

STOIANOV-REMIZEV, Aaen

Some improvements respecting the preparation of cutting tools, in
the D. Kaliashki State Industrial Enterprise, Kystendil.
Durvombel prom 6 no.1:24-25 Ja-F '63.

1. Nachalnik OTK pri DIP "D. Kaliashki", Kystendil.

BASHEVA, L.; BAKALOVA, S., studentka; ~~STOLANOVA, A.~~, studentka;
DISHLIEVA, N., studentka; ALEKSIEVA, T., studentka.

Recurrent of rheumatism in children and role of external
factors. Suvren. med., Sofia 7 no.11:76-78 1956.

1. Iz nauchnii studentski krushok pri Katedrata po detaki
bolesti pri VMI - Sofia (Zav. katedrata Prof. L. Rachev)
nauchni rukovoditeli: L. Basheva i T. Ianova.

(RHEUMATISM, in infant and child,
recur., eff. of external factors (Bul))

SHAROV, V.I.; BLAGOEV, Khr.; STOIANOVA, B.; STEFANOVA, M.

Stability of the anticyclonetype of weather over Bulgaria.
Khidro i meteorolog 6 10-20 '63.

1. Chlen na Redaktsionnata kolegiia, "Khidrologiia i metecrologiia" (for Blagoev).

RUSSIA, U.

"Izvestia", I. 14. (GEOGRAPHIA, Vol. 4, No. 5, 1951, Sofia, Bulgaria)

SC: Monthly List of East European Accessions, (1951), LC, Vol. 4, No. 1,
Jan. 1955, Incl.

BRANKALOV, B. inzh.; STOIANOVA, D., inzh.

Supply of electric power to the new residential complexes
of Sofia. Elektroenergiia 14 no.3:15-19 Mr'63

1. Energoproekt.

RACHEV, L., prof.; KIROV, Iv.; STOLANOVA, L.; NINOVA, P.

Enuresis nocturna in children and its therapy. Suvrem.med., Sofia
5 no.11:3-10 1954.

1. Iz detskata klinika pri Med. akademila V. Chervenkov - Sofia
(direktor: prof. L. Rachev)
(ENURESIS,
nocturnal, ther.)

MARINOV, D.; STATEVA, St.; STOIANOVA, L.; AIMOVA, V.

Pneumonia in infants. Suvrem.med., Sofia 5 no.11:46-55 1954.

1. Iz Katedrata po detaki bolesti pri Med. Akademija Vulko Chervenkov. (direktor: prof. L. Rachev)
(PNEUMONIA, in infant and child.)

Stalin, I.

"Sanitation Service Organized in Hospitals." p. 3,
(ZARUVEN FRONT, No. 49, Dec. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EAL), LC, Vol. 4
No. 5, May 1955, Uncl.

STOIANOVA, L.; NEICHEV, Sl.

Salmonella sepsis in newborn. Suvrem.med., Sofia 6 no.5:113-116
1955.

1. Iz katedrata po mikrobiologija 9direktor; akad: Vl.Markov) i
Katedrata po setski bolesti (direktor: prof. L.Bachev) pri
Viashia meditsinski institut V. Chervenkov-Sofia.

(SALMONELLA INFECTIONS, in infant and child,
newborn, septicemia

(SEPTICEMIA AND BACTEREMIA, in infant and child,
newborn, Salmonella)

(INFANT, NEWBORN, diseases,
Salmonella septicemia)

RACHEV, L., Prof.; STATEVA, St.; MARINOV, D.; STOIANOVA, L.; ANTOVA, V.

Diet therapy of acute diarrhea and in nutrition disorders in children. Suvrem. med., Sofia 7 no.8:55-63 1956.

1. Is Katedrata po detaki bolesti pri VMI; Sofia. (Zav. katedrata: prof. L. Rachev).

(DIETS, in various dis.

infant nutrition disorders)

(INFANT NUTRITION DISORDERS, ther.
diets)

AVRAMOV, A.; KOSHEV, L.; STOIANOVA, L.; BOZADZHIEVA, E.

A case of adrenogenital syndrome in a 5-year-old child caused by a tumor of the adrenal cortex successfully treated by surgery. Khirurgiia, Sofia 13 no.5:528-531 '60.

1. Iz Katedrite po bolnichna khirurgiia, po detakiia bolesi i po bolnichna terapiia pri VMI, Sofia.
(ADRENOGENITAL SYNDROME in inf & child)

GIZOV, T.; IVANOVA, M.; IANEVA, T.; STOIANOVA, L.; DAMIANOVA, TSV.

The frequency and course of rheumatism in pre-school and school age.
Nauch. tr. vissh. med. inst. Sofia 40 no.1:177-190 '61.

1. Predstavena ot prof. L. Rachev, rukovod. na Katedrata po detaki
bolesti.

(RHEUMATIC FEVER in inf & child)

STOIANOVA, L.; IANEVA, T.

On the problem of acute poisoning in childhood. Nauch. tr. vissh. med.
inst. Sofia 40 no.1:211-232 '61.

1. Predstavena ot prof. L. Rachev, rukovod. na Katedrata po detski
bolesti.

(POISONING in inf & child)

MATEV, M.; TOSHKOV, As.; STOIANOVA, M.

On the diagnosis of rheumatic and subacute septic endocarditis.
Suvrem med., Sofia no.3:49-58 '61.

1. Katedra po priopedevtika na vutreshnit bolesti, Vissih meditsinski
institut, Sofiya. (Rukovoditel na katedrata prof. Iv. Ionkov.) i
Nauchno-issledovatel'ski institut po epidemiologiya i mikrobiologiya.
(Direktor: Vl. Kalaidzhiev.)

(RHEUMATIC HEART DISEASE diag)
(ENDOCARDITIS SUBACUTE BACTERIAL diag)

GERDZHIKOV, L.; STOIANOVA, M.; MADZHAROVA, KH.

Treatment of anginas with penicillin combinations. *Suvr. med.*
14 no.5:14-15 '63.

(PENICILLIN) (TONSILLITIS)

GANCHEVA, T.; STOIANOVA, N.

Influence of certain technological factors on the strength indexes of hard polyvinyl chloride pipes. Khim i industriia 34 no.6:222-225 '62.

STOIANOVA-IVANOVA, B.; STOIANOVA, R.

Obtaining polyhydroxyindones through fusion alkaline indone-polysulfonic acids. Doklady BAN 14 no.6:611-614 '61.

1. Note presentee par D. Ivanov, membre de l'Academie bulgare des Sciences.

STOIANOVA, Zh., asistent; MARKOVA, M., laborantka.

Effect of sleep therapy on gastric secretion in peptic ulcer.
Nauch. tr. ISUL, Sofia 2 no.1:51-57 1953.

1. Katedra po vutreshni bolesti sus stomashno-chrevni i
chernodrobni saboliavaniia i lechebno khranene. Zav. Katedrata:
prof. T. A. Tashev.

(PEPTIC ULCER, therapy,

sleep ther., eff. on gastric secretion.)

(SLEEP, therapeutic use,

peptic ulcer, eff. on gastric secretion.)

(GASTRIC JUICE,

secretion, eff. of sleep ther. in peptic ulcer.)

BRILSKI, Khr., kand. na med. nauki; STOIANOVA, Zh.; DIMITOV, Ts.

Effect of medical diets and of sesamum oil on the course of peptic ulcer. Suvrem.med., Sofia 6 no.10:53-61 1955.

1. Iz Katedrata po vutreshni bolesti sus stomashno-chrevni i chernodrobni saboliavania i lechebno khranene pri ISUL (sav. katedrata: prof. T.A.Tashev).

(PEPTIC ULCER, therapy,

diets & sesamum oil (Bul))

(DIETS, in various diseases,

peptic ulcer, with sesamum oil (Bul))

(OILS, therapeutic use

sesamum oil, in peptic ulcer, with dietother. (Bul))

TASHEV, Tasho A., prof.; STOJANOV, M.; MATHEV, I.

Dietetic regimens in case of experimental animals irradiated with sublethal doses of roentgen rays. Izv Inst khranene 2: 83-94 '63.

1. Chl.-kor. na Buharskata akademija na naukite, chlen na Redaktionnata kolegiia i odgovoren redaktor, "Izvestiia na Instituta po khranene" (for Tashev).

STOLANOVA, Z.

Renal echinococcosis simulating nephrolithiasis. Suvrem. med., Sofia 8
no.4:85-86 1957.

1. Iz Vutreshnogo otdelenie na okoliiskata bolnitsa - Plovdiv (Zav.
otdelenietor: I. Tachnev).

(KIDNEY DISEASES, differential diagnosis,
echinococcosis from nephrolithiasis (Bul))

(KIDNEYS, calculi,
differ. diag. from echinococcosis (Bul))

(ECHINOCOCCOSIS, differential diagnosis,
kidney calculi (Bul))

11010009-IVANOV, Z. ; IVANOV, L.

and the content of spirocations isolated from steroids of the Bulgarian rose oil and from the wax of the blossom of the Bulgarian rose. P. 181.

11010009-IVANOV, Z. ; IVANOV, L. ; Vol. 50, No. 2 1955/56 (published 1956)

Mont. 12. List of Mont. accession (ZEM) L1. Vol. 9, No. 1 January 1960

Uncl.

Stolanova-Ivanova, B.

✓ Composition of steareptene from Bulgarian rose oil. CH
 II. Saturated hydrocarbons other than sicosane. D. Ivanov, Ch. Ivanov, and B. Stolanova-Ivanova (Univ. Sofia). *Compt. rend. acad. Bulg. Sci.* 7, 143, 1, 17-20 (1954) (in French); cf. C.A. 48, 12373g. The hydrocarbon fraction (I) (78.8%), obtained by passing steareptene through alumina, is crystd. from EtOH, giving sicosane (II), m. 36° (62.1% of I). The mother liquors from II fractionally distd. at 0.7-0.8 mm., treated with Br in CCl₄ to remove unsatd. hydrocarbons present in I, redistd. twice at 0.4-0.5 mm., and the fractions crystd. from EtOH give *heptadecane* (III), m. 22.5-23.5°, b_m 301.1°, *nonadecane* (IV), m. 32.8-33.8°, b_m 328.5°, *heneicosane* (V), m. 40-1°, b_m 343.9°, and a fraction, m. 13-15°, b_m 376.4°, probably *pentadecane* (VI) contaminated with *hexadecane* (VII). No *octadecane* (VIII) is isolated. Detg. the b.p. of II and VII and graphically inter- and extrapolation gives the following values (compd. and b.p./0.4 mm. given): VI, 81°; VII, 88°; III, 96°; VIII, 102°; IV, 108°; II, 114°; V, 120°. A.W.S.

STOLANOVA-IVANOVA, P.

Composition of saturated hydrocarbons in the wax of Bulgarian roses.

In French with Russian summary. p. 33.

Vol. 8, no. 2, Apr./June 1955, DOKLADY, SOFIYA, BULGARIA.

Source:

East European Accessions List, (EEAL) Library of Congress
Vol. 5, No. 10. Oct. 1956.

Stojanova-Ivanova, B.

Distr: 4E3d

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The alkaline fusion of indanonesulfonic acids. 1. A new method for the preparation of 2-(p-hydroxyphenyl)-3-phenylindanone. B. Stojanova-Ivanova and J. Vladimirova (Univ. Sofia, Bulgaria). *Compt. rend. acad. bulgare sci.* 11, 101-4 (1968) (in French); cf. C.A. 49, 10068. — Sulfonation of 1.000 g. 2,3-diphenylindanone (I) in 30 ml. concd. H₂SO₄ 6 hrs. at room temp. gave 1.2360 g. 2-(p-sulfoxyphenyl)-3-phenylindanone Na salt (II), m. 278-80° or 345-6° (polymorphs, orange and yellow, resp.); benzylisothiocyanium salt, m. 188-90°. II was unaffected by alk. fusion at 180-80°. At 250° ring cleavage occurred without displacement of the sulfo group. Alk. fusion of II at 280° gave 78% o-[(p-hydroxyphenyl)vinyl]benzoic acid (III), m. 122.5-4.0°. III boiled 4 min. in 0.28% ZnCl₂ in 1:1 HOAc-Ac₂O gave 81% 2-(p-hydroxyphenyl)-3-phenylindanone (IV), m. 177-9°; *lit.* m. 143-5°. IV can thus be obtained from I in 60% over-all yield. Fusion of III with ZnCl₂ gave 55% impure IV.

Olden E. Parn

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STOLANOVA-IVANOVA; MLADENOVA, K.

~~Sulfonation~~ of methyl -2- phenyl -3- indone and fusion of
alkaline of obtaining monosulfonique acid. Doklady BAN 14
no.4:365-368 '61.

1. Note presentee par D. Ivanoff [D. Ivanov] membre de l'
Academie.

STOIANOVA-IVANOVA, B.; STOIANOVA, R.

Obtaining polyhydroxyindones through fusion alkaline indone-
polysulfonic acids. Doklady BAN 14 no.6:611-614 '61.

1. Note presentee par D. Ivanov, membre de l'Academie bulgare des
Sciences.

STOIANOVA-IVANOVA, B.; KOLAROVA, E.

Composition of saturated fat acids in the wax of the petal
concrete of the Bulgarian roses. Doklady BAN 15 no.2:151-153
'62.

1. Note présentée par D. Ivanoff [Ivanov, D.], membre de
l'Académie et membre du Comité de rédaction; "Doklady Bolgarskoy
Akademii Nauk."

L 0010-66 EIP(1) RM

ACCESSION NR: AP5025553

BU/0011/65/018/002/0141/0144

AUTHOR: ⁴⁴Stoianova-Ivanova, B.; ⁴⁴Nikolova, D.; ⁴⁴Tzvetkova, V.

TITLE: Unsaturated hydrocarbon content in wax from concentrated attar of Bulgarian rose petals
—15.44

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 2, 1965, 141-144

TOPIC TAGS: hydrocarbon, wax, botany

ABSTRACT:

D. Ivanoff et al. (Compt. rend. Acad. bulg. Sci., 8, 1955, No 2, 33) studied earlier the hydrocarbon composition of the wax from concentrated attar of Bulgarian roses. In the present investigation, using the same raw material, the authors established the amount and the structure of various unsaturated hydrocarbons found in wax from concentrated attar of Bulgarian roses. The results are presented in the form of tables. Since the hydrogenation of unsaturated hydrocarbons can lead to saturated ones, the authors suspect that this could, perhaps, be the path followed by vegetable cells during their production of saturated hydrocarbons with even or odd number of carbon atoms. Orig. art. has: 2 tables.

Card 1/2

L 00160-66

ACCESSION NR: AP5025553

ASSOCIATION: Chaire de chimie organique de l'Universite de Sofia (Department of Organic Chemistry, Sofia University) 44 2

SUBMITTED: 00

ENCL: 00

SUB CODE: OC, LS

NR REF SOV: 000

OTHER: 009

JPRS

Card 2/2

L 00159-66 ENP(j) RM

ACCESSION NR: AF5025554

BU/0011/65/018/002/0145/0148

AUTHOR: Hadjieva, P.; Stoianova-Ivanova, B.

TITLE: Composition of alcohols found in wax from concentrated attar of Bulgarian rose petals

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 2, 1965, 145-148

TOPIC TAGS: alcohol, wax, botany

ABSTRACT:

This is a continuation of earlier studies of D. Ivdnoff et al. (Compt. rend. Acad. bulg. Sci., 8, 1955, No 2, 33) concerning the chemical composition of concentrated attar of Bulgarian rose petals. This time the authors concentrated on the composition of the alcohol fraction of the same wax used during the earlier phases of the research. Tests uncovered the following normal saturated alcohols: (O₂₀H₄₁OH), docosanol-(1) (O₂₂H₄₅OH), tetracosanol-(1) (O₂₄H₄₉OH), hexacosanol-(1) (O₂₆H₅₃OH), and octacosanol-(1) (O₂₈H₅₇OH). Orig. art. has: 2 tables.

Card 1/2

L 00159-66

ACCESSION NR: AP5025554

ASSOCIATION: Chaire de chimie organique de l'Universite de Sofia (Department of Organic Chemistry, Sofia University)

SUBMITTED: 00

ENCL: 00

SUB CODE: OC, LS

NR REF SOV: 001

OTHER: 005

JPRS

NC
Card 2/2

STOIANOVA-V. GILOVA, L.

Stratigraphic distribution of the Lower Cretaceous belemnites in
Bulgaria. Spis Bulg geol trush 25 no.2:137-140 '64.

STU LANCVICI, P.

TECHNOLOGY

Periodicals: INGINERIEA SI CONSTRUCTIA DE LASHI. Vol. 10, no. 5, May 1958

STU LANCVICI, P. Electric welding of rails by means of electric current supplied by the aerial contact line of a tramway. n. III.

Monthly List of East European Accessions (ISPA) IC, Vol. 5, No. 2,
February 1959, Unclass.

SALAGEAN, T.; HRELESCU, M.; STOLANOVICI, P.

Some considerations on protection substances in ceramic flux.
Studii tehn Timisoara 7 no.3/4:287-296 JI-D '60.

SALAGEAN, Tr.; HRELESCU, M.; STOLANOVICI, P.; BAR, F.

Action of aluminum oxide on ceramic fluxes. Studii tehn Timiscara 9
no.1/2:19-28 '62.

SALAGEAN, T.; HRELESCU, M.; STOLANOVICI, P.

Alloying of low-carbon steel with chromium and manganese in electric arc. Studii tehn Timisoara 9 no.1/2:7-17 Ja-Je '62.

8/137/62/000/011/036/045
A006/A101

AUTHORS: Salagean, Traian, Hrelescu, Mircea, Stoianovici, Petre

TITLE: Alloying soft steels with chromium and manganese in an electric arc

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 11, 1962, 7. abstract 11E12
("Zvaranie", 1962, v. 11, no. 5, 139 - 141, Slovak.; summaries in
Russian, German and English)

TEXT: The authors present results of research work conducted in the welding department of the Laboratory of technical materials at the Technical Institute in Timishoar (RNR). The process of alloying built-up metal in arc hardfacing of low carbon steels was studied. In manual welding the alloying elements were added to the coating, and in automatic welding to the ceramic fluxes. Alloying with two elements, Cr and Mn, is discussed. The Mn content in the built-up metal varied within a range of 0.7 - 16.5%. At a Mn content as high as 2 - 2.5%, martensite appears; at 3.1 - 3.2% the structure becomes entirely martensitic and at 3.5 - 4.0% austenite appears and cracks are forming. Hardness of the built-up metal with variable Mn content is highest at 3.1 - 3.2%. The Cr

Card 1/2

Alloying soft steels with...

S/137/62/000/011/035/045
A006/A101

content in the built-up metal varied between 2.5 to 12.5%. Already at a Cr content as high as 2.0 - 2.5 %, secondary cementite appeared and hardness increased. At a further gradual increase of the Cr content acicular ferrite austenite and γ -phase appear in the structure, and the hardness of the built-up metal decreases. The hardness of the built-up metal is not a decisive factor, predetermining the proneness to crack formation. The structure plays also an important part: in case of a homogeneous and fine-grained structure, cracks are not formed. Fields for the use of ceramic Fe-Mn and Fe-Cr containing fluxes are recommended.

Ye. Malinovskaya

[Abstracter's note: Complete translation]

Card 2/2

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AUTHOR: Stoica, C.--Stoyka, K. 11
ORG: none B
TITLE: Some stratigraphic considerations concerning the Taslau Basin and the Flysch Zone
SOURCE: Petrol si gaze, v. 16, no. 9, 1965, 459-463
TOPIC TAGS: paleontology, stratigraphy
ABSTRACT: The author establishes the delimitation between Eocene and Oligocene layers in the Eastern Carpathians on micropaleontologic grounds.¹² The Aquitanian portion is assigned to the Miocene layer on the basis of lithologic, microfauna and similarity criteria. Orig. art. has: 1 figure. [Based on author's Eng. abstract] [JPRS]
SUB CODE: 08 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 001

Card 1/20

UDC: 551.781.782
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